



PCT10

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/019,341

DATE: 06/05/2002

TIME: 17:12:08

Input Set : A:\SMAR0013.ST25.txt

Output Set: N:\CRF3\06052002\J019341.raw

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3 <110> APPLICANT: Hayden, Michael R.
 4 Kastelein, John J.P.
 6 <120> TITLE OF INVENTION: LPL Variant Therapeutics
 8 <130> FILE REFERENCE: SMAR-0013
 10 <140> CURRENT APPLICATION NUMBER: 10/019,341
 C--> 11 <141> CURRENT FILING DATE: 2002-05-07
 13 <150> PRIOR APPLICATION NUMBER: EP992020487
 14 <151> PRIOR FILING DATE: 1999-06-24
 16 <150> PRIOR APPLICATION NUMBER: PCT/CA00/00762
 17 <151> PRIOR FILING DATE: 2000-06-23
 19 <160> NUMBER OF SEQ ID NOS: 4
 21 <170> SOFTWARE: PatentIn version 3.1
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 446
 25 <212> TYPE: PRT
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 39 35 40 45
 42 Phe Met Val Ile His Gly Trp Thr Val Thr Gly Met Tyr Glu Ser Trp
 43 50 55 60
 46 Val Pro Lys Leu Val Ala Ala Leu Tyr Lys Arg Glu Pro Asp Ser Asn
 47 65 70 75 80
 50 Val Ile Val Val Asp Trp Leu Ser Arg Ala Gln Glu His Tyr Pro Val
 51 85 90 95
 54 Ser Ala Gly Tyr Thr Lys Leu Val Gly Gln Asp Val Ala Arg Phe Ile
 55 100 105 110
 58 Asn Trp Met Glu Glu Glu Phe Asn Tyr Pro Leu Asp Asn Val His Leu
 59 115 120 125
 62 Leu Gly Tyr Ser Leu Gly Ala His Ala Ala Gly Ile Ala Gly Ser Leu
 63 130 135 140
 66 Thr Asn Lys Lys Val Asn Arg Ile Thr Gly Leu Asp Pro Ala Gly Pro
 67 145 150 155 160
 70 Asn Phe Glu Tyr Ala Glu Ala Pro Ser Arg Leu Ser Pro Asp Asp Ala
 71 165 170 175
 74 Asp Phe Val Asp Val Leu His Thr Phe Thr Arg Gly Ser Pro Gly Arg
 75 180 185 190
 78 Ser Ile Gly Ile Gln Lys Pro Val Gly His Val Asp Ile Tyr Pro Asn
 79 195 200 205

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90 His Glu Arg Ser Ile His Leu Phe Ile Asp Ser Leu Leu Asn Glu Glu
91      245      250      255
94 Asn Pro Ser Lys Ala Tyr Arg Cys Ser Ser Lys Glu Ala Phe Glu Lys
95      260      265      270
98 Gly Leu Cys Leu Ser Cys Arg Lys Asn Arg Cys Asn Asn Leu Gly Tyr
99      275      280      285
102 Glu Ile Asn Lys Val Arg Ala Lys Arg Ser Ser Lys Met Tyr Leu Lys
103      290      295      300
106 Thr Arg Ser Gln Met Pro Tyr Lys Val Phe His Tyr Gln Val Lys Ile
107 305      310      315      320
110 His Phe Ser Gly Thr Glu Ser Glu Thr His Thr Asn Gln Ala Phe Glu
111      325      330      335
114 Ile Ser Leu Tyr Gly Thr Val Ala Glu Ser Glu Asn Ile Pro Phe Thr
115      340      345      350
118 Leu Pro Glu Val Ser Thr Asn Lys Thr Tyr Ser Phe Leu Ile Tyr Thr
119      355      360      365
122 Glu Val Asp Ile Gly Glu Leu Met Leu Lys Leu Lys Trp Lys Ser
123      370      375      380
126 Asp Ser Tyr Phe Ser Trp Ser Asp Trp Trp Ser Ser Pro Gly Phe Ala
127 385      390      395      400
130 Ile Gln Lys Ile Arg Val Lys Ala Gly Glu Thr Gln Lys Lys Val Ile
131      405      410      415
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154      20      25      30
157 Asp Phe Ile Asp Ile Glu Ser Lys Phe Ala Leu Arg Thr Pro Glu Asp
158      35      40      45
161 Thr Ala Glu Asp Thr Cys His Leu Ile Pro Gly Val Ala Glu Ser Val
162      50      55      60
165 Ala Thr Cys His Phe Asn His Ser Ser Lys Thr Phe Met Val Ile His
166 65      70      75      80
169 Gly Trp Thr Val Thr Gly Met Tyr Glu Ser Trp Val Pro Lys Leu Val
170      85      90      95
173 Ala Ala Leu Tyr Lys Arg Glu Pro Asp Ser Asn Val Ile Val Val Asp
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182      130      135      140
185 Glu Phe Asn Tyr Pro Leu Asp Asn Val His Leu Leu Gly Tyr Ser Leu
186 145      150      155      160
189 Gly Ala His Ala Ala Gly Ile Ala Gly Ser Leu Thr Asn Lys Lys Val
190      165      170      175
193 Asn Arg Ile Thr Gly Leu Asp Pro Ala Gly Pro Asn Phe Glu Tyr Ala
194      180      185      190
197 Glu Ala Pro Ser Arg Leu Ser Pro Asp Asp Ala Asp Phe Val Asp Val
198      195      200      205
201 Leu His Thr Phe Thr Arg Gly Ser Pro Gly Arg Ser Ile Gly Ile Gln
202      210      215      220
205 Lys Pro Val Gly His Val Asp Ile Tyr Pro Asn Gly Gly Thr Phe Gln
206 225      230      235      240
209 Pro Gly Cys Asn Ile Gly Glu Ala Ile Arg Val Ile Ala Glu Arg Gly
210      245      250      255
213 Leu Gly Asp Val Asp Gln Leu Val Lys Cys Ser His Glu Arg Ser Ile
214      260      265      270
217 His Leu Phe Ile Asp Ser Leu Leu Asn Glu Glu Asn Pro Ser Lys Ala
218      275      280      285
221 Tyr Arg Cys Ser Ser Lys Glu Ala Phe Glu Lys Gly Leu Cys Leu Ser
222      290      295      300
225 Cys Arg Lys Asn Arg Cys Asn Asn Leu Gly Tyr Glu Ile Asn Lys Val
226 305      310      315      320
229 Arg Ala Lys Arg Ser Ser Lys Met Tyr Leu Lys Thr Arg Ser Gln Met
230      325      330      335
233 Pro Tyr Lys Val Phe His Tyr Gln Val Lys Ile His Phe Ser Gly Thr
234      340      345      350
237 Glu Ser Glu Thr His Thr Asn Gln Ala Phe Glu Ile Ser Leu Tyr Gly
238      355      360      365
241 Thr Val Ala Glu Ser Glu Asn Ile Pro Phe Thr Leu Pro Glu Val Ser
242      370      375      380
245 Thr Asn Lys Thr Tyr Ser Phe Leu Ile Tyr Thr Glu Val Asp Ile Gly
246 385      390      395      400
249 Glu Leu Leu Met Leu Lys Leu Lys Trp Lys Ser Asp Ser Tyr Phe Ser
250      405      410      415
253 Trp Ser Asp Trp Trp Ser Ser Pro Gly Phe Ala Ile Gln Lys Ile Arg
254      420      425      430
257 Val Lys Ala Gly Glu Thr Gln Lys Lys Val Ile Phe Cys Ser Arg Glu
258      435      440      445
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270 <211> LENGTH: 448
271 <212> TYPE: PRT

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272 <213> ORGANISM: Homo sapiens
274 <400> SEQUENCE: 3
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277 1 5 10 15
280 Arg Thr Pro Glu Asp Thr Ala Glu Asp Thr Cys His Leu Ile Pro Gly
281 20 25 30
284 Val Ala Glu Ser Val Ala Thr Cys His Phe Asn His Ser Ser Lys Thr
285 35 40 45
288 Phe Met Val Ile His Gly Trp Thr Val Thr Gly Met Tyr Glu Ser Trp
289 50 55 60
292 Val Pro Lys Leu Val Ala Ala Leu Tyr Lys Arg Glu Pro Asp Ser Asn
293 65 70 75 80
296 Val Ile Val Val Asp Trp Leu Ser Arg Ala Gln Glu His Tyr Pro Val
297 85 90 95
300 Ser Ala Gly Tyr Thr Lys Leu Val Gly Gln Asp Val Ala Arg Phe Ile
301 100 105 110
304 Asn Trp Met Glu Glu Glu Phe Asn Tyr Pro Leu Asp Asn Val His Leu
305 115 120 125
308 Leu Gly Tyr Ser Leu Gly Ala His Ala Ala Gly Ile Ala Gly Ser Leu
309 130 135 140
312 Thr Asn Lys Lys Val Asn Arg Ile Thr Gly Leu Asp Pro Ala Gly Pro
313 145 150 155 160
316 Asn Phe Glu Tyr Ala Glu Ala Pro Ser Arg Leu Ser Pro Asp Asp Ala
317 165 170 175
320 Asp Phe Val Asp Val Leu His Thr Phe Thr Arg Gly Ser Pro Gly Arg
321 180 185 190
324 Ser Ile Gly Ile Gln Lys Pro Val Gly His Val Asp Ile Tyr Pro Asn
325 195 200 205
328 Gly Gly Thr Phe Gln Pro Gly Cys Asn Ile Gly Glu Ala Ile Arg Val
329 210 215 220
332 Ile Ala Glu Arg Gly Leu Gly Asp Val Asp Gln Leu Val Lys Cys Ser
333 225 230 235 240
336 His Glu Arg Ser Ile His Leu Phe Ile Asp Ser Leu Leu Asn Glu Glu
337 245 250 255
340 Asn Pro Ser Lys Ala Tyr Arg Cys Ser Ser Lys Glu Ala Phe Glu Lys
341 260 265 270
344 Gly Leu Cys Leu Ser Cys Arg Lys Asn Arg Cys Asn Asn Leu Gly Tyr
345 275 280 285
348 Glu Ile Asn Lys Val Arg Ala Lys Arg Ser Ser Lys Met Tyr Leu Lys
349 290 295 300
352 Thr Arg Ser Gln Met Pro Tyr Lys Val Phe His Tyr Gln Val Lys Ile
353 305 310 315 320
356 His Phe Ser Gly Thr Glu Ser Glu Thr His Thr Asn Gln Ala Phe Glu
357 325 330 335
360 Ile Ser Leu Tyr Gly Thr Val Ala Glu Ser Glu Asn Ile Pro Phe Thr
361 340 345 350
364 Leu Pro Glu Val Ser Thr Asn Lys Thr Tyr Ser Phe Leu Ile Tyr Thr
365 355 360 365
368 Glu Val Asp Ile Gly Glu Leu Leu Met Leu Lys Leu Lys Trp Lys Ser

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369      370      375      380
372 Asp Ser Tyr Phe Ser Trp Ser Asp Trp Trp Ser Ser Pro Gly Phe Ala
373 385      390      395      400
376 Ile Gln Lys Ile Arg Val Lys Ala Gly Glu Thr Gln Lys Lys Val Ile
377      405      410      415
380 Phe Cys Ser Arg Glu Lys Val Ser His Leu Gln Lys Gly Lys Ala Pro
381      420      425      430
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385      435      440      445
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398 cccagagggg acgcgccccg agaggagagc aaagcccgcg ggcgaccggc cggggccag 180
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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/019,341

DATE: 06/05/2002

TIME: 17:12:09

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